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COUNTRY	East Germany				DATE DISTR. 6 0	ctober 19	53
SUBJECT	Meeting of t 18-21 March		ociety, E	ast Berlin, on	NO. OF PAGES	k	
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A APPRIN DESTAN	CONTAINS INFORMATION AFTE TATES WITHIN THE SENSING	OF THE ESPICIONS AND P	A 1/38	THE IC LIMES	ALUATED INFORMATIO	·N	
OF ITS CONTESTS	IN ANY EAUNER TO AN EX-	ETHORISED PERSON S PRO RE IS PROMIDITED.		THIS IS UNEV	ALONIED IN ONMATIO	14	
September 183				25X1X			
3	The newly fo	unded Physica	1 Society	of East German	y held a general me	eting in	
	the German /	on lo-d Marc leadeny of Sci	n 1953 in .ence. In	addition to man	lecorated lecture h y representatives	from_	
	the Mastert	Bloc countrie	s,		rof. Dr. : DOMGRACH (25X1
	Berlin) poir	ited out in hi	s opening	address, was to	o provide an opport	unity	
	to discuss 1	he fundaments gave rise to	l difficul . the desi	ties of the quar re to discuss t	ntum theory. The b his topic was the f	asic act	
1	that the met	hods of adjus	sting and	normalizing , whi	ch are used in pres	ent	
. \	day quantum and symbolis	electrodynami m. Thus. alt	.cs.are 10 hough the	oked upon as pu y lead to prope:	re mathematical trī r physical predicti	CKS .ODS,	
	they are nev	rertholess wit	hout mean	ing because of	their arbitrary cha	II	
	the very ro	ots of the th	m analysi e <mark>oreti</mark> cal	basis of the q	s the difficulties Lantum theory, cugh	it to	
	be carried o						
2.	Of the lectifoliowing of	ires and disci 70 deserva spr	ussions wh scial ment	ich took place ion:	during the three da	gs, the	
	electrodyna	des. INFILD	proceeded	from the well-	e difficulties of c established stateme	mt that	
	the classics	il field theor	y of the bis parti	elec tron lea ds ele: No advanc	to divergent int <mark>e</mark> gr ed the opinion that	als the	
	difficultic	rdll not be	eliminate	d by means of t	he fi e ld quantum th	19 017 7	
	but that the quan t iz ati on electrodynu	i. He review	noved Drom ed objecti	electrodynamic ons regarding t	s before one application of the present formulation	is tion of	
	(a) . (i)	ne unjustifial neory which ha	ole use in	his opinion of ediate physical	potentials within meaning.	the	
	(3.) On	is role of the	n markement	e of the field	sincularities which	מיים ו	

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(e). The form of the field equations, especially the loose connections between field and four dimensional current, which finally lead to the infinitely large numbers of field singularities.

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positively arbitrary.

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Finally INFED discussed various experiments underly SOMI and LIPBAT, and by DIRAC to overcome such difficulties—none of which are completely satisfications. According to experiments done by his student FACTOR KT, that for curry Tambles, addition, addition but for central symmetry, for the potential of a charge, it is possible to set up a lagrangian-function, dependent only on the field strength, which has this potential as a solution.

b. The lecture by Prof. L. JAMASY incheest) entilled Critical remarks
Regarding Relativity and Quantum Theory. A little and the to explain
the quantum phenomena in terms of the emission and prescribes of tight in
a very direct and clear termser. However, as a result of the relativity wineciple, the condition is imposed that certain effects brought about by
quantum phenomena are rule to suread with a speed greater than that all
light. These ideas, which were presented in a very interesting manner, did
not go unchallenged. In particular, wroth this voiced objections. He
pointed to the fundamental importance of the relativistic co-variance of
all natural laws without thich today's physica applied not be imagined

3. The meeting closed with a Perture by from A. C.C.A.M. (seri 'Pirma's willo-Marchio for ' in which indicate significance in the 'Sobware's Clairfouric silectic.' rule in galaing increasing importance in theoretical physics.

Francisco Alberta

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